

Work Order ID 68259

Monday, April 11, 2011 10:33:36 AM



Page 1

Item ID: D3908-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Lug Plate, Aft Crosstube

Start Date: 4/11/2011 Start Qty: 12.00



Cust Item ID:

Required Date: 4/14/2011 Req'd Qty: 12.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 11-04-11

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D3908

C

100

0.00



Waterjet

Memo

0.00

FLOW CNC Waterjet

Cut as per dwg D3908

Prog Rev: EDwg Rev: E

364.125

Deburr as required

B11-4-17

(14)

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

B11-4-17

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 68259

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Page 2

Item ID: D3908-1

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Setup Start



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Start Date: 4/11/2011 Start Qty: 12.00



Cust Item ID:

Required Date: 4/14/2011 Req'd Qty: 12.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00					11	04	13 (14)
150 Packaging Packaging	Identify as per dwg & Stock Location: 90 Memo	0.00 0.00					11/4/13	142	(142)
160 QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00					11/4/13		(142)

P/11-04-13
(142)

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NOTE: Date & initial all entries

Picklist Print

Monday, April 11, 2011 10:33:41 AM

Page 1

Work Order ID: 68259

Parent Item: D3908-1

Parent Item Name: Lug Plate, Aft Crosstube




Start Date: 4/11/2011

Required Date: 4/14/2011

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP RevA: new issue DD 09.11.17 verified by:EC IPP Rev:B as
per dwg revB DD 10.04.20 verified by:EC IPP Rev:C as per PC1
10.05.27 DD verf:EC IPP Rev:D per ECN10-581 10.05.28
DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S11GA  304/316 0.125 Sheet		Purchased	No			100	sf	15.5000	0.0533	0.673263	1,		

18 11-4-17

Location

Loc Qty

Loc Code

MAT020

15.5

116623

15.5

116623

(14)

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DART AEROSPACE LTD		Work Order:	68259
Description: Lug Plate, Aft Crosstube		Part Number:	D3908-1
Inspection Dwg: D3908	Rev: C	Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.129	+0.005/-0.001	.131	X		V 1B02	
Ø0.191	+0.005/-0.001	.192	X		V	
Ø0.257	+0.006/-0.001	.257	X		V	
Ø0.375	+0.006/-0.001	.375	X		V	
0.310	+/-0.010	.309	X		V	
0.380	+/-0.010	.382	X		V	
0.750	+/-0.010	.752	X		V	
0.469	+/-0.010	.471	X		V	
3.25	+/-0.030	3.252	X		V	
0.65	+/-0.030	.652	X		V	
0.63	+/-0.030	.628	X		V	
1.587	+/-0.010	1.587	X		V	
1.588	+/-0.010	1.588	X		V	
5.46	+/-0.030	5.46	X		V	
3.80	+/-0.030	3.803	X		V	
2.13	+/-0.030	2.126	X		V	
1.313	+/-0.010	1.313	X		V	
0.375	+/-0.010	.373	X		V	
0.625	+/-0.010	.625	X		V	
11.15	+/-0.030	11.159	X		PROW502	
0.375	+/-0.010	.377	X		V	
0.750	+/-0.010	.755	X		V	
0.125	+/-0.010	.119	X		V	

Measured by: RB	Audited by: [Signature]	Preliminary Approval:
Date: 11-4-17	Date: 11.04.13	Date:

Rev	Date	Change	Revised by	Approved
A	10.04.01	New Issue	KJ	
B	10.04.20	Dimensions updated per Dwg Rev B	KJ	
C	10.06.07	Dimensions updated per Dwg Rev C	KJ	[Signature]

W/O:		WORK ORDER CHANGES						
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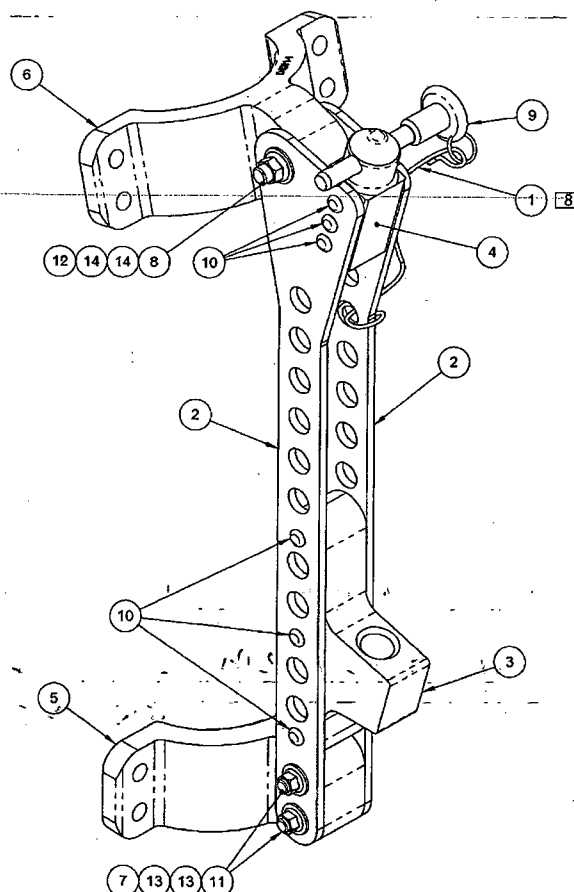
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NOTE: Date & initial all entries

ITEM	QTY.	P/N	DESCRIPTION
	X	D3908-041	X-TUBE LUG ASSY (AFT)
1	1	D2690-6	LANYARD
2	2	D3908-1	AFT X-TUBE LUG PLATE
3	1	D3908-3	STUD RECEIVER LOWER
4	1	D3908-5	EYEBOLT STUD
5	1	D3910-1	X-TUBE LUG
6	1	D4091-1	MOUNTING LUG
7	2	AN3C12A	BOLT
8	1	AN4C13A	BOLT
9	1	MS17984-C413	PIP PIN
10	6	MS20615-4M20	RIVET
11	2	MS21043-3	NUT
12	1	MS21043-4	NUT
13	4	NAS1149C0332R	WASHER
14	2	NAS1149C0432R	WASHER



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 68239

AP 11-04-11

RELEASED
2010-05-28
W

D3908-041 X-TUBE LUG ASSY (AFT)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3908-041" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 2.34 lbs
- 8) ATTACH TO D3908-1 BY LOOPING AROUND LIGHTENING HOLE FIRST AND THEN SECURE TO MS17984-C413 PIP PIN'S RING.

C	REDESIGNED ITEM #2: ITEM#6 REPLACES QTY 1 ITEM#5; QTY 2 FOR ITEMS #7 & 11 WAS QTY 4, QTY 8 FOR ITEM #13 WAS 4, ADDED ITEMS #8, 12 & 14	MB	10.05.27
B	BOM: D3909-5 REPLACED WITH D3908-5. QTY 1 ADDED: D2690-6 & MS17984-C413. SHEET 5: ADDED D3908-5	JPH	10.04.06
A	NEW ISSUE	JPH	10.03.04
REV.	DESCRIPTION	BY	DATE
DESIGN	JPH		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.05.27		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3908 TITLE X-TUBE LUG ASSY (AFT) SCALE NTS REV. C SHEET 1 OF 5			
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

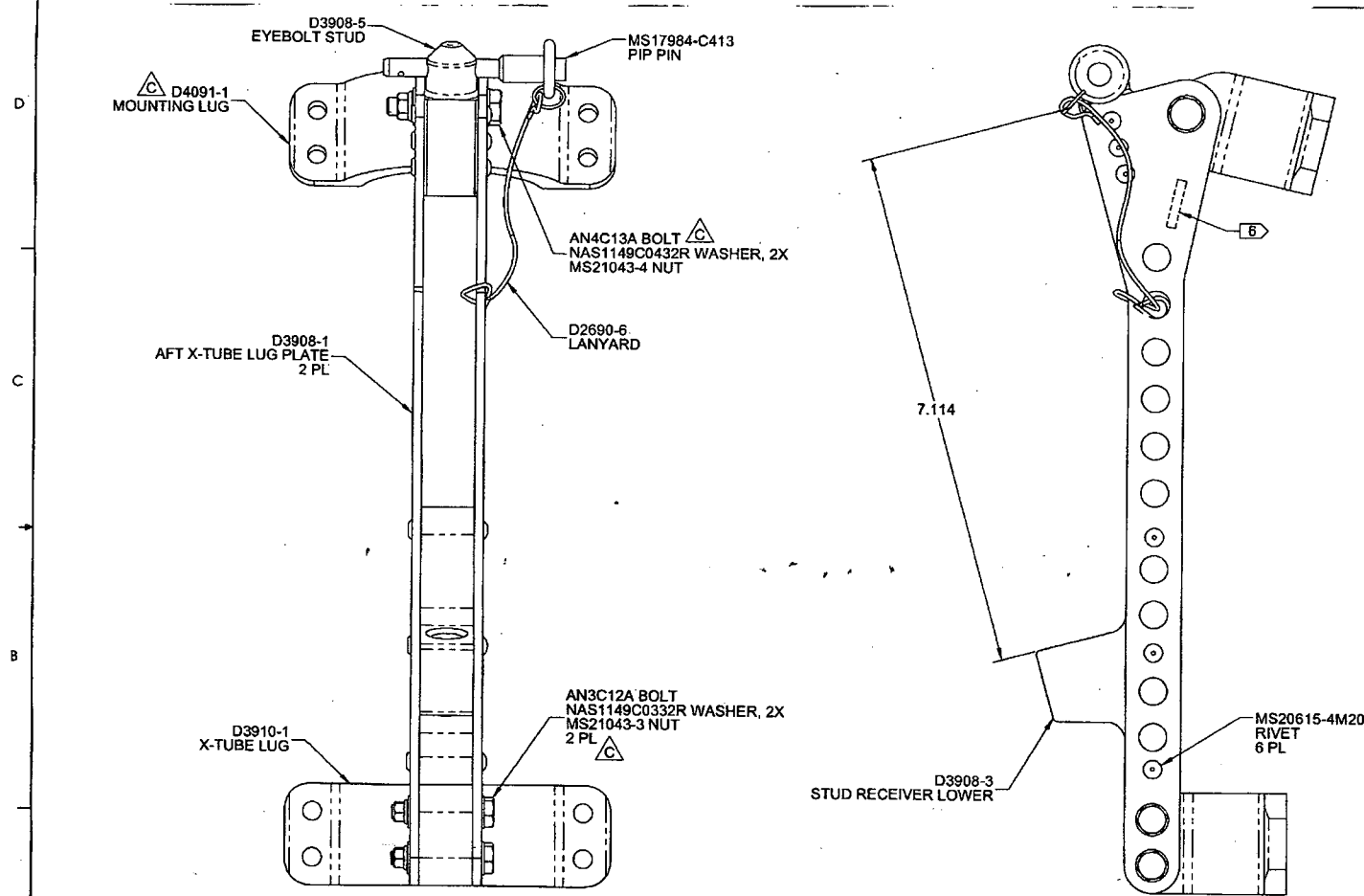
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1



u/068259

RELEASED
2010-05-28
JNP

D3908-041 X-TUBE LUG ASSY (AFT)

DESIGN	JFH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. D3908	REV. C
MFG. APPR.		TITLE X-TUBE LUG ASSY (AFT)	SHEET 2 OF 5
APPROVED		SCALE	NTS
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8 7 6 5 4 3 2 1

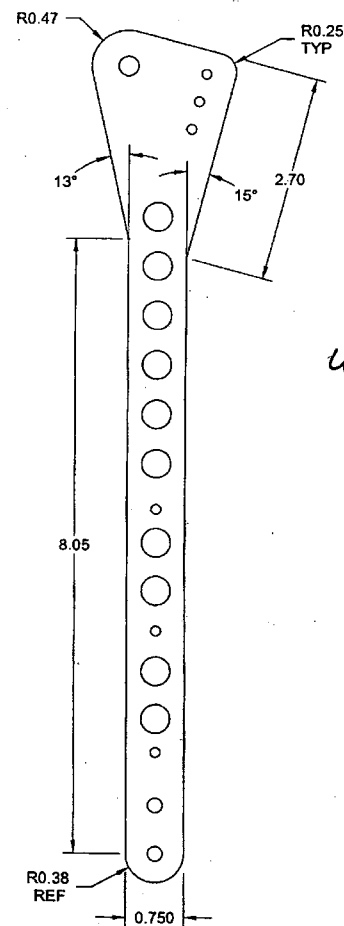
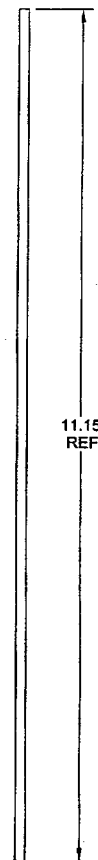
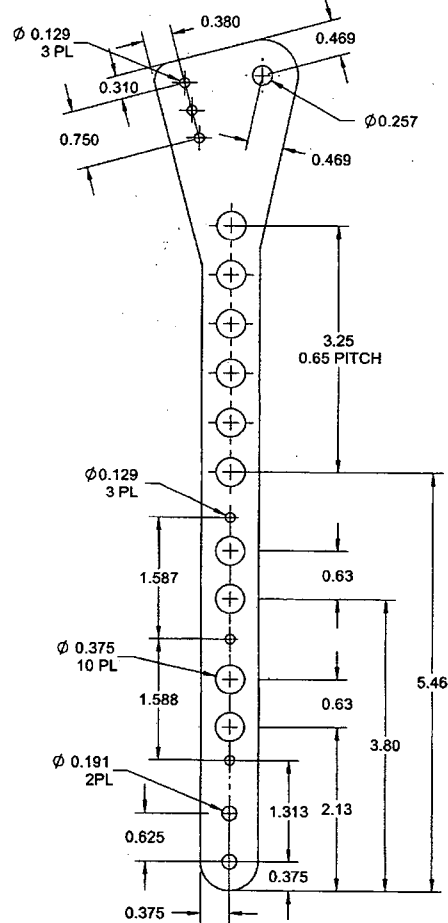
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NOTE: Date & initial all entries



W/O 68259

RELEASED
2010-05-28
W/O

NOTES:

- 1) MATERIAL: 303/304/316 STAINLESS STEEL 0.125" SHEET ANNEALED 2B FINISH, PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240 PER DART SPEC M304S11GA OR M303S11GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.31 lbs

D3908-1 AFT X-TUBE LUG PLATE

DESIGN	JFH	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3908	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		X-TUBE LUG ASSY (AFT)	NTS
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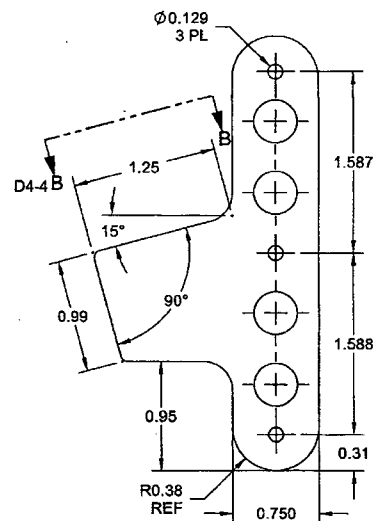
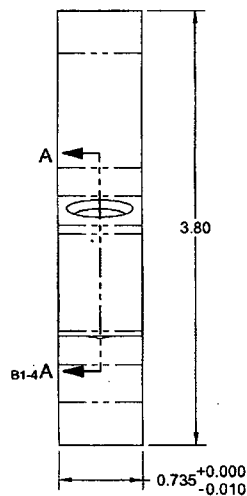
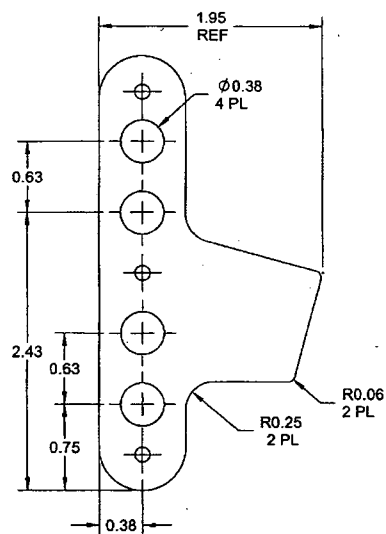
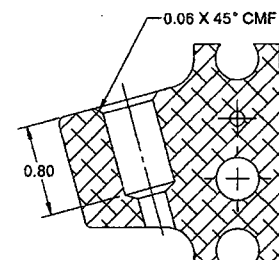
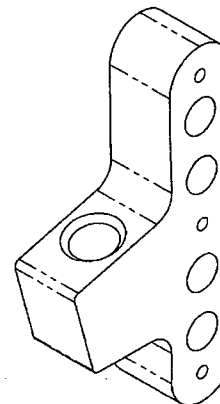
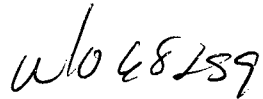
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NOTE: Date & initial all entries



NOTES:

- NOTES:**
 1) MATERIAL: 303/304/316 STAINLESS STEEL BAR, PER ASTM A276
 PER DART SPEC M303B OR M304B
 2) FINISH: NONE
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: NONE
 7) WEIGHT: 0.69 lbs

DESIGN	JFH	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3908	SHEET 4 OF 5
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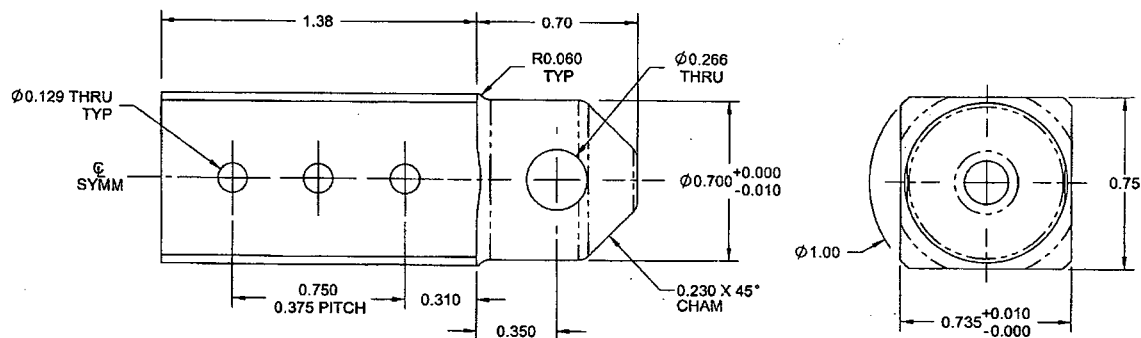
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D3908-5 EYEBOLT STUD

NOTES:

- 1) MATERIAL: 303/304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276 OR ASTM A582 PER DART SPEC M303R OR M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.26 lbs

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2010-05-28
MD

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DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
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